

alpha1(I) YRRADD...A NVVRDRDLEV DTLKLSLSQQ IENIRSPGGS RKNPARTCRD LKMCHSDWKS
alpha2(I) FYRADQPRSA PSLRPKDYEYV DATLKLNNQ IETLLTPEGSS RKNPAPTRCD LRHSHPWESS
alpha1(III) YYGDE....P MDFIKINTEI MTSLSKVNGQ IESLISPDGS RKNPARNCAD LKFCHPELKS

- - - - - 00 - - 0-00 000000 000 0- 0-- 0-

 3 4 5
alpha1(I) GEYWIDPNQG CNLDAIKVFC NMETGETCVY PTQPSVAQKN WYISKNPDKK RHVVFGESMT
alpha2(I) GYYWIDPNQG CTMEAIVKYC DFPTGETCIR AQPENIPAKN WYRS .SKDK KHVVLGETIN
alpha1(III) GEYWWDPNQG CKLDAIKVFC NMETGETCIS ANPLNVPRKH WW.TDSSAEK KHVVFGESMD

0 00-00000 0 --0000-0 - 00000 - --- 0- 0- - - 0- -000-00--

B C G 6
alpha1(I) DGFOFEYGGQ GSDPADVAIQ LTFRLMSTE ASQNITYHCK NSVAYMDQQT GNKKALLLK
alpha2(I) AGSQFYSYVE GVTSKENATO LAFMLLANAY ASQNITYHCK NSIAYMDEET GNKKAVILQ
alpha1(III) GGFOFYSGNP ELPEDVLVDQ LAFLRLSSR ASQNITYHCK NSIAYMDQAS GNVKKALKLM

0 00 0 - 0 0~01-- 0000000000 00-0000- ~ 00-000- 0

7
alpha1(I) GSNEIEIRAE GNSRFTYSVT VDGCSTHTGA WGKTIVIEYKT TKTSRLPIID VAPLDVGAPD
alpha2(I) GSNDVELVAE GNSRFTITVL VDGCSSKTNK WGKTIIIEYKT NKPSRLPFEL IAPLDIGGAD
alpha1(III) GSNEGEFKAE GNSKFTYTVL EDGCTKHTGE WSKTVFEYRT RKAWRLPIVD IAPYDIGGPD

000~ 0- 00 000-000-0 000- 0 8-000-00-0 0 000- 00 0-0-0--0

8
alpha1(I) QEFGFVDGVF CFL
alpha2(I) HEFFVDIGVF CFK
alpha1(III) QEFGVVDGVF CFL

-00 0-000 00

FIG. 2

FIG. 2

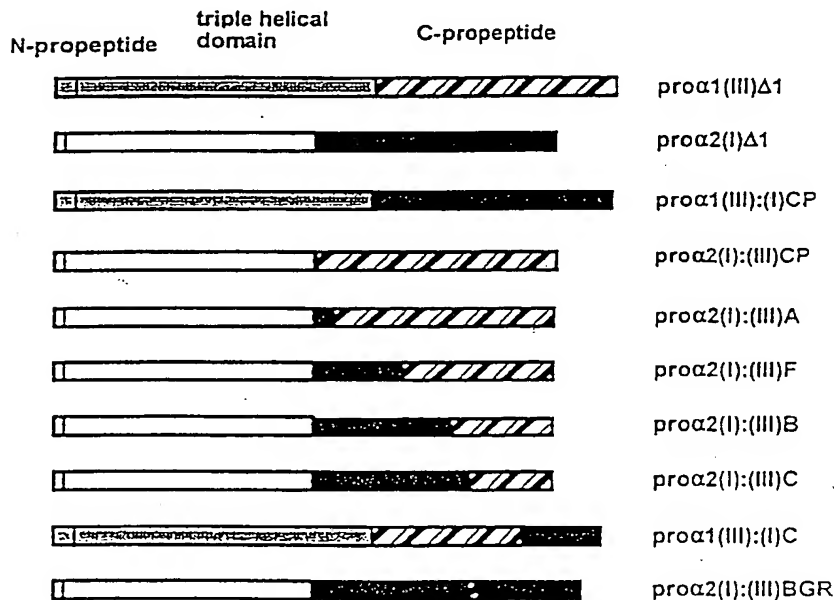
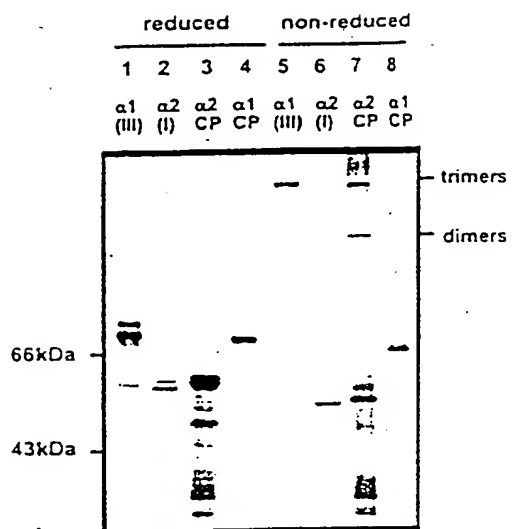
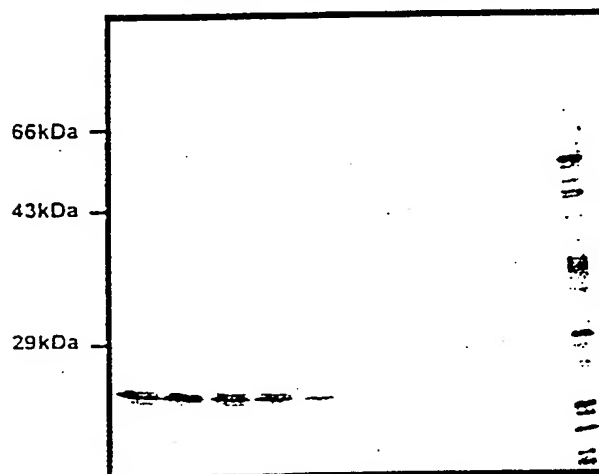


FIG. 3

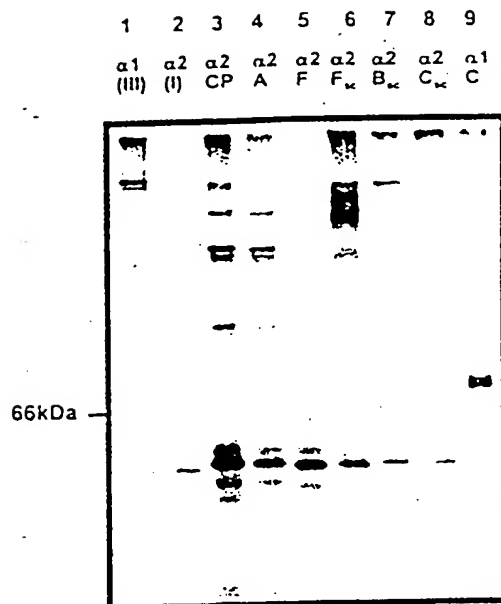
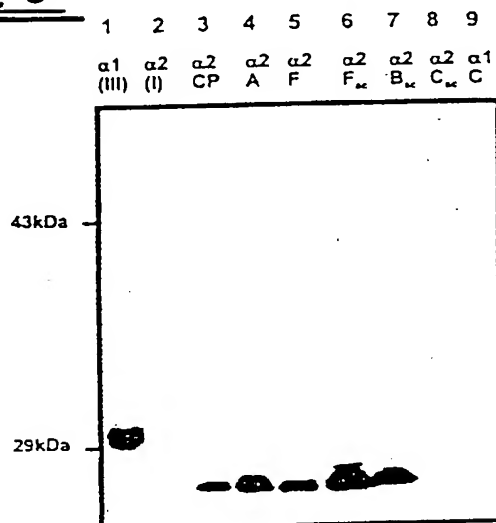
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FIG. 4

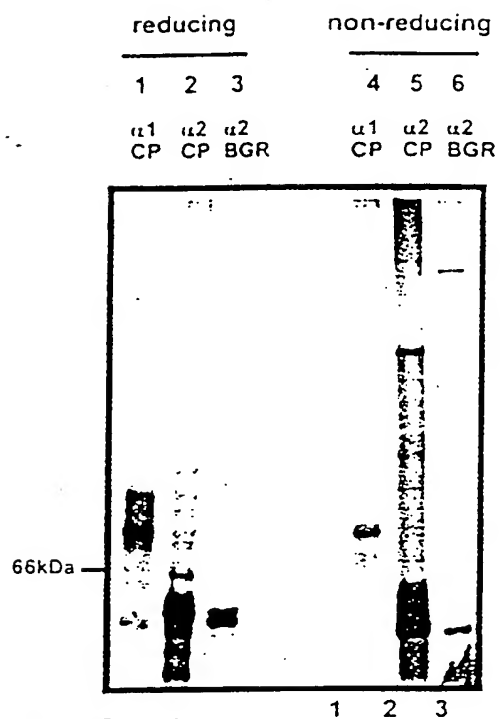
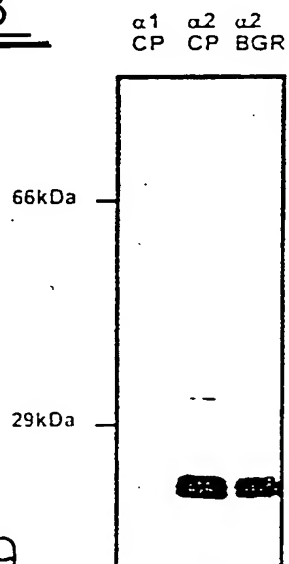
Lane	1	2	3	4	5	6	7	8	9	10	11
temp. (deg C)	31	32	33	34	35	36	37	38	39	40	unt.

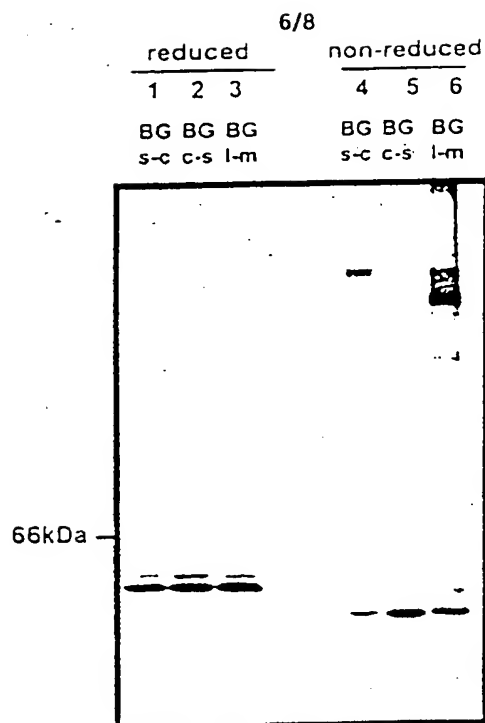
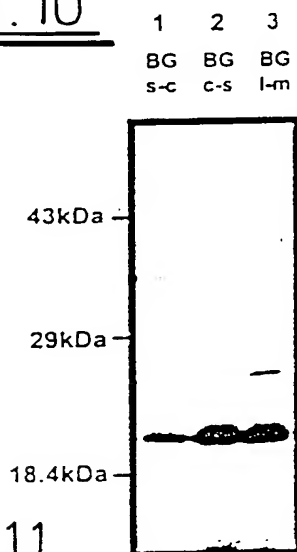
FIG. 5

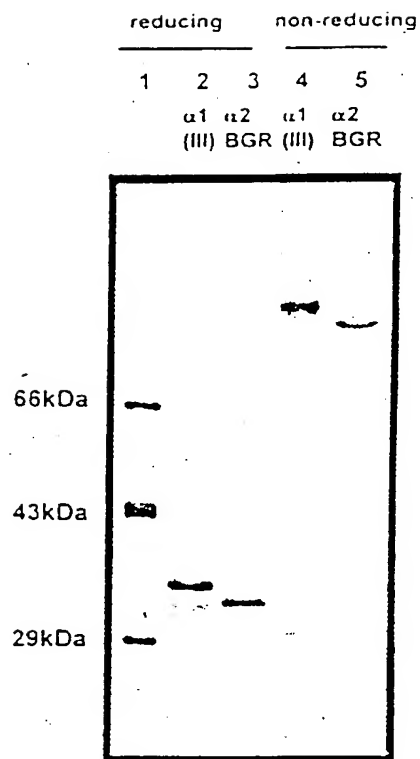
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FIG. 6FIG. 7

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FIG. 8FIG. 9

FIG. 10FIG. 11

FIG. 12

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
alpha1(I)	G	G	Q	G	S	D	P	A	D	V	A	I	Q	L	T	F	L	R	L	H	S	T	E
alpha2(I)	N	V	E	G	V	T	S	K	E	M	A	T	Q	L	A	F	H	R	L	L	A	N	Y
alpha1(II)	G	D	D	N	L	A	P	N	T	A	N	V	Q	H	T	F	L	R	L	L	S	T	E
alpha1(III)	G	N	P	E	L	P	E	D	V	L	D	V	Q	L	A	F	L	R	L	L	S	S	R
alpha1(V)	V	D	A	E	G	N	P	V	G	V	.	V	Q	H	T	F	L	R	L	L	S	A	S
alpha2(V)	G	D	H	Q	S	P	N	T	A	I	.	T	Q	H	T	F	L	R	L	L	S	K	E
alpha1(XI)	L	D	V	E	G	N	S	I	N	M	.	V	Q	H	T	F	L	K	L	L	T	A	S
alpha2(XI)	V	D	S	E	G	S	P	V	G	V	.	V	Q	L	T	F	L	R	L	L	S	V	S

FIG. 13